AWIPS SOFTWARE INSTALLATION INSTRUCTION NOTE 37
(for Electronic Systems Analysts)
Maintenance, Logistics, & Acquisition Division
W/OPS1: FJZ

SUBJECT : Release OB1 Installation Kit

PURPOSE : To provide ROB1 software upgrade installation instructions and information.

AFFECTED SITES : All National Weather Service CONUS and OCONUS WFOs/RFCs and offices with WFO/RFC type AWIPS systems must install ROB1.

PREINSTALLATION: REQUIREMENTS : At a minimum, R5.2.2.1 must be installed. CONUS and OCONUS WFOs and offices with WFO type systems **must** install IFPS 12.3 before installing ROB1. In addition, the WFO Archive (WAX) and PX processors must be installed and running.

AUTHORIZATION : The authority for this modification is NWS Request for Change AB210.

VERIFICATION STATEMENT : These installation procedures were tested and verified at Silver Spring, MD (NMTW and NMTR), Pacific Region Headquarters (PBP), Southern Region Headquarters (EHU), Western Region Headquarters (VHW), WFO Tampa Bay FL (TBW), WFO Pendleton, OR (PDT), WFO Des Moines, IA (DMX), WFO Cincinatti, OH (ILN), RFC Kansas City, MO (KRF), WFO Boston, MA (BOX), WFO Lake Charles, LA (LCH), and WFO St. Louis, MO (LSX).

TIME REQUIRED : WFO installation time (Part 1-12 and 14) (see Attachment B, Installation Instructions for AWIPS ROB1) is approximately 7 to 8 hours, with 2 to 4 hours text data ingest down time. RFC installation time is about 8 hours, with approximately 2 to 4 hours text ingest down time.

SECURITY LEVEL : root

EFFECT ON OTHER: INSTRUCTIONS None.

TECHNICAL SUPPORT : For questions or problems regarding the upgrade, call the NCF at (301) 713-9344.

GENERAL:

The ROB1 installation upgrade kit includes: the ROB1 installation instructions, the ICAT User's Manual, 7 CDs, release notes, and script log output (with error information). The length of the upgrade requires sites to go into service backup. ROB1 localization/customization problems will be similar to those experienced in the R5.2.2 upgrade.

NOTE: 1.   Pre-installation requirements:

a.   R5.2.2.1 **must** be installed prior to installing ROB1.
b.   CONUS and OCONUS WFOs and offices with WFO type systems **must** install at least IFPS 12.3 before installing ROB1.
c.   LINUX Workstation Upgrade Part 10 and 11 (see attachment B, Installation Instructions for AWIPS ROB1) should only be performed if the workstations are assigned as lx1 or lx2.
d.   The WFO Archive Server (WAX) is installed and running.
e.   The PX processors should be installed and running at least a week before installing ROB1. This is needed to ensure no PX issues exist before installing ROB1.

2   Sites **must** coordinate the ROB1 installation with their regional or NCEP Center AWIPS focal point. COMT, the Training Center, systems at WSH, and the ROC should schedule their upgrade with Frank Lucadamo at WSH or schedule themselves using the calendar feature on Netscape set aside for AWIPS software upgrades.

3.   Adhere to the guidelines outlined below.

4.   AWIPS regional focal points **must** coordinate the ROB1 installation using the Netscape calendar set aside for AWIPS software upgrades:

http://calendar.netscape.com

5.   AWIPS remote displays (ARD) cannot be logged into AWIPS during this install. Sites must coordinate with their CWSUs before initiating the ROB1 upgrade. As noted above, the ROB1 upgrade must be coordinated with the appropriate personnel. Avoid the following scenarios:

a.   Sites and their backups **must not** perform simultaneous software upgrades.

b.   Weather wire uplink sites and their backups **must not** perform simultaneous software upgrades.

GENERAL INSTALLATION GUIDELINES

1. NCF/NGIT upgrade support is available from 7AM to 7PM ET, Monday through Thursday.

    - OCONUS sites requiring upgrade assistance outside the set support hours on Thursdays, must coordinate through their AWIPS regional focal point. If the NCF/NGIT is not advised ahead of time, they will assume a scheduled OCONUS site will follow the set support hours.

2. Install support of a maximum number of **<u>five sites per install day</u>** will be available for the **<u>ROB1</u>** upgrade.

3. All operational CONUS WFOs must install ROB1 by the end of May 2003. Sites that are involved in the **"watch by county"** test should try to be at OB1 by April 14.

    A maximum of three PX upgrades can be supported per day. In addition, WFOs must have OB1 installed by the end of May. Therefore it is suggested that operational RFCs and non-operational sites defer to CONUS WFOs when scheduling OB1 and PX upgrades.

    All sites should be at OB1 by the end of June 2003.

Review these instructions before performing the upgrade. It is important to do Part 0, Pre-installation Requirements (see Attachment B, Installation Instructions for AWIPS ROB1), several days to a week before the upgrade. If any of these instructions require further clarification, call the NCF.

REPORTING MODIFICATION

Report the completed software installation using the Engineering management Reporting System (EMRS) according to the instructions in the NWS Instruction 30-2104, Maintenance Documentation, Part 4, and Appendix H. A sample EMRS report is attached. As an additional guide, use the information in the table below.

Block #	Block Type	Information
5	Description	Upgrade AWIPS Software to ROB1 I.A.W. AWIPS Software Installation Instruction Note 37
7	Equipment Code	AWIPS
8	Serial Number	001
15	Comments	Upgraded AWIPS System Software to ROB1 I.A.W. AWIPS Software Installation Instruction Note 37
17a	Mod. No.	S37

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Attachment A - EMRS Report Sample
Attachment B - Installation Instructions for AWIPS ROB1, Sample Output, and Release Notes.

Attachment A

Sample EMRS Report

Attachment A - Sample EMRS Report

A26 Detail Form - ESCM2, SILVER SPRING, MD :: EMRS ANALYST - Microsoft Internet Explorer

New A26 ☐ Place on Hold Copy A26 Delete A26 Detail Report Preference Document Summary Help

GENERAL INFORMATION

NEW RECORD   WFO* CTP ☐   Document No.* CTP30213J01

1. Open Date	Open Time	2. Op Initials	3. Response Priority	4. Close Date	Close Time
☐		WSH	○ Immediate ○ Low ○ Routine ◉ Not Applicable	☐	

5. **Maintenance Description** 452 characters left   AWIPS

Install AWIPS Release Operational Build I (ROB1)

EQUIPMENT INFORMATION

6. Station ID*	7. Equipment Code	8. Serial Number	9. TM	10. AT	11. How Mal
CTP ☐	AWIPS ☐	001 ☐	M ☐	M ☐	999 ☐

Alert: Time Remaining:
                                (For Block 12 use only)

13. PARTS USAGE and CONFIGURATION MANAGEMENT REPORTING

ASN	Vendor Part No. (New Part)	Serial Number (Old Part)	Serial Number (New Part)	New Row
☐				Delete Row

14. WORKLOAD INFORMATION

a. Routine		b. Non-Routine		c. Travel		d. Misc.		e. Overtime	
Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes	Hours	Minutes

MISCELLANEOUS INFORMATION

15. **Maintenance Comments** 655 characters left

Upgraded AWIPS software to Release OB1, I.A.W. AWIPS Software Installation Instruction Note 37.

16. Tech Initials
LCT ☐

17. SPECIAL PURPOSE REPORTING INFORMATION

a. Mod No.	b. Mod Act/Deact Date	c. Block C	d. Trouble Ticket No.	e. Block E
337	☐			

Commit A26   Place on Hold   Copy A26   New A26   Cancel

Internet

Attachment B

Installation Instructions for AWIPS Release OB1